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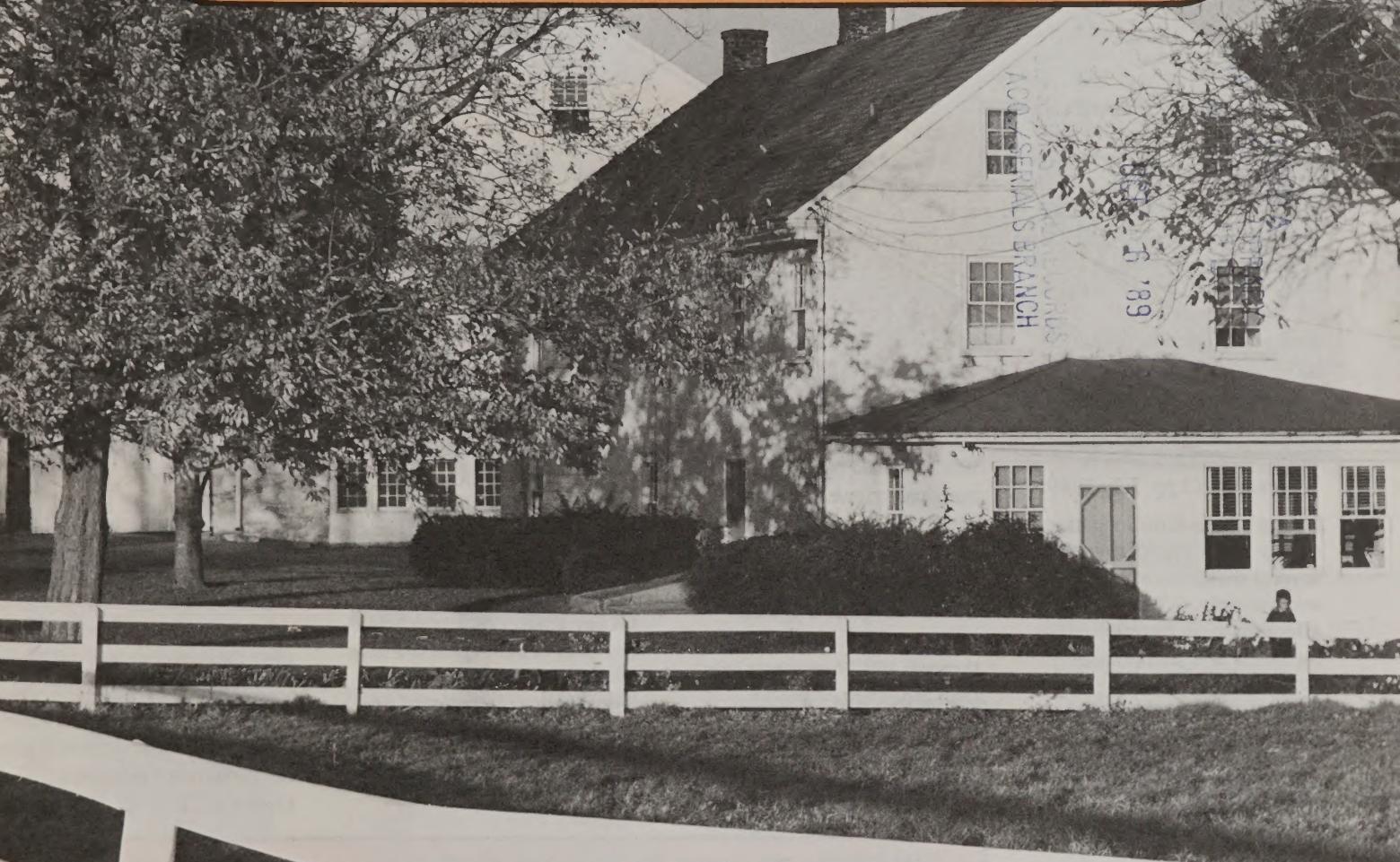
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REPORTS

AGRICULTURE • ECONOMICS

From USDA's Economic Research Service

Fall 1989



New Monographs

Trade Issues

Agricultural Trade, Agreements, and Disputes in the Western Hemisphere, by Nicole Ballenger, Kathleen Doering, and Mary C. Mervenne. 43 pp. June 1989.

Assesses major bilateral and multilateral arrangements guiding agricultural trade relations among Western Hemisphere countries. Details recent and ongoing agricultural trade disputes between the United States and its Western Hemisphere trading partners and competitors.

Order # AGES 89-28.

\$5.50.

Competitiveness and Protection in World Agriculture, by Thomas L. Vollrath. 12 pp. July 1989.

Explores what agricultural competitiveness means by using three different measures: market share, relative export advantage, and revealed competitiveness. The most competitive agricultural exporters are usually those with the least government intervention.

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\$3.00.

Factor Demand in Irrigated Agriculture Under Conditions of Restricted Water Supplies, by Daniel J. Bernardo and Norman K. Whittlesey. 13 pp. July 1989.

Uses a whole-farm irrigation management model to look at several scenarios of limited water supply. Without greatly affecting their returns, farmers can use up to 35 percent less irrigation water under surface irrigation and up to 25 percent less under center pivot irrigation.

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Irrigated Acreage in the Conservation Reserve Program, by Glenn D. Schaible. 19 pp. July 1989.

Identifies the extent of marginal irrigated acreage enrolled in the CRP through 1987 and the likely amount of such land to be enrolled in the CRP. Marginal irrigated acreage enrolled in the CRP through 1987 represents less than 2 percent of the 23 million acres enrolled nationwide.

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Public Policies in Water-Resource Use: Their Effect on Groundwater Mining and Surface-Water Imports, by C.S. Kim and Michael R. Moore. 35 pp. July 1989.

Analyzes the effect of public policies on the rate of groundwater use and on the timing of surface water transported into an area to satisfy regional water demand. The results show that when a public policy holds down the price of surface water, then surface water transported into the region will begin earlier.

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Food Issues

The Economics of Safeguarding the U.S. Food Supply, by Tanya Roberts and Eileen van Ravenswaay. 8 pp. July 1989.

Improved food-testing techniques can reveal low levels of food contaminants that were previously undetectable. That may trigger legal restrictions on use of pesticides and other chemicals used in food production and processing. The challenge is to incorporate the new knowledge into workable food safety policies that balance the costs and benefits of regulation.

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Food Cost Review, 1988, by Denis Dunham. 56 pp. July 1989.

U.S. food prices rose 4.1 percent in 1988, the same as in 1987. Prices farmers received for commodities, as measured by the farm value of USDA's market basket of foods, rose 3.6 percent.

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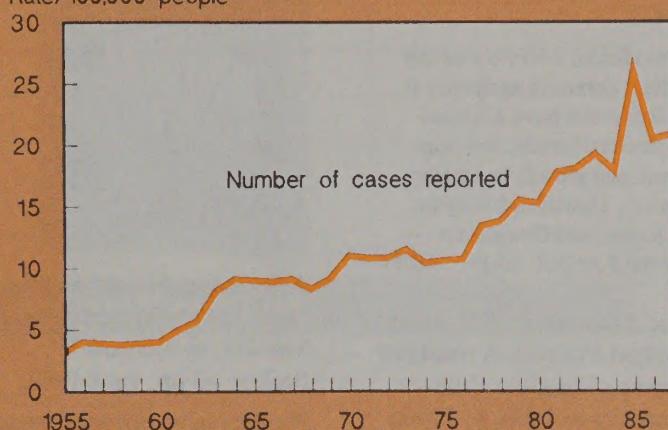
Economic Analysis of Electron Accelerators and Cobalt-60 for Irradiating Food, by Rosanna M. Morrison. 38 pp. June 1989.

Average costs per pound of irradiating food are similar for the electron accelerator and cobalt-60 irradiators, but initial investment costs can vary by \$1 million. Costs range from 0.5 to 7 cents per pound and decline as annual volumes treated increase. Cobalt-60 costs less than electron beams for annual volumes below 50 million lbs.

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Salmonellosis an Increasing Threat

Rate/100,000 people



Source: Centers for Disease Control.

—From *The Economics of Safeguarding the U.S. Food Supply*.

Fertilizer Use and Price

Statistics, 1960-88, by Harry Vroomen. 56 pp. July 1989.

Includes quarterly or semiannual time series for farm fertilizer price indexes, consumption by plant nutrient and major selected products, and statistics on fertilizer use per acre by nutrient in major producing States for corn, cotton, soybeans, and wheat. Fertilizer consumption peaked at 23.7 million nutrient tons in 1981.

Order # SB-780. \$8.00.

The data in this report are also available on diskette. See "Fertilizer Use," # 86012, on page 6 of this catalog.

Transfers of Rural Land, by Gene Wunderlich. 4 pp. July 1989.

Summarizes a 1988 nationwide survey of rural land transfers which found 4.6 percent of parcels and 3.5 percent of rural acreage changed hands in 1987.

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Major Statistical Series of the U.S. Department of Agriculture, Vol. 7: Crop and Livestock Estimates. 28 pp. June 1989.

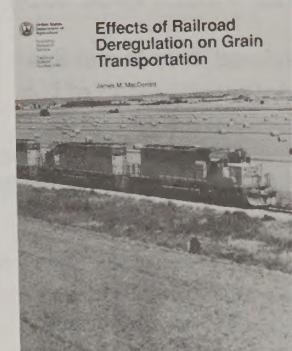
Describes the content of the crop and livestock estimating program. Methods used for each data series are explained in detail. Timing and precision of data series are also discussed.

Order # AH-671, Vol. 7. \$5.50.

Generic Promotion of Agricultural Products: Balancing Producers' and Consumers' Needs, by William N. Blisard and James R. Blaylock. 6 pp. July 1989.

Examines policy issues involved in Government-authorized generic advertising programs. Producers now contribute over \$530 million a year to generic promotions. Dairy leads all commodities in spending for promotions.

Order # AIB-565. \$3.00.



Effects of Railroad Deregulation on Grain Transportation, by James M. MacDonald. 52 pp. June 1989.

Railroad deregulation (Staggers Rail Act in 1980) helped reduce grain transport costs. Shippers now benefit from increased competition among railroads and from reductions in rail costs.

Order # TB-1759. \$5.50.



Fertilizer Trade Statistics, 1970-88, by Harry Vroomen. 28 pp. July 1989.

Includes data on U.S. imports and exports of selected fertilizer materials; world and U.S. imports and exports of nitrogen, phosphate, and potash; and U.S. import origins and export destinations for selected fertilizer materials. The United States has become the world's largest phosphate exporter and the largest potash importer during the past decade.

Order # SB-782. \$5.50.

More New Monographs

Agricultural Policy, Trade, Economic Growth, and Development. 191 pp. May 1989.

Provides an overview of the salient domestic agricultural policies that have affected agricultural trade, development, and growth in Malawi, Kenya, Thailand, Malaysia, Ecuador, and Guatemala.

Order # AGES 89-19. \$8.00.

Local Response to Federal Budget Policies: A Study of Nonmetropolitan Communities in Ohio, by Philip A. Russo, Jr., Douglas H. Shumavon, H. Kenneth Hibbeln, and Frank McKenna, Jr. 41 pp. June 1989.

Investigates how declining Federal funding, 1981-86, affected six nonmetro counties and six small cities in Ohio.

Order # AGES 89-24. \$5.50.

Regional Trends and Spatial Characteristics of U.S. Supply and Demand for Farm Output, by J.R. Bacon, C.M. Gempesaw, II, and C.R. Handy. 48 pp. June 1989.

Analyzes the regional trends of U.S food and nonfood production and consumption over the past 35 years. Eight regions and seven product groupings are examined.

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Consumption Stability and the Potential Role of Food Aid in Africa, by Stacey Rosen. 15 pp. June 1989.

Reports model projections for additional food aid needs in Africa in 1990 and 1995 for good and bad weather scenarios. The range of needs varies by country depending on the country's responsiveness to changes in weather.

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A Structural Econometric Model of the World Wheat Market, by Kenneth W. Bailey. 63 pp. June 1989.

Presents an econometric model to assess the effect of changing global policies and other conditions on world wheat trade and changes in U.S. farm programs on the rest of the world and on U.S. export levels. Focuses on the wheat sectors of the United States, Canada, Australia, Argentina, the EC, and Japan.

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Estimating the Offsite Household Damages From Wind Erosion in the Western United States, by Steven Piper and Linda K. Lee. 21 pp. June 1989.

Wind-caused soil erosion in some regions of the West increases the need for interior and exterior cleaning, reduces recreational opportunities, and impairs health. Damages are larger offsite than onsite.

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A Simple Empirical Model of Macroeconomic Effects on Agriculture: An Asset Market Approach, by John Kitchen. 20 pp. May 1989.

The asset market approach specifies a direct relationship between flexible prices and the growth of the money supply in excess of real money demand. Model simulations show effects of alternative monetary and agricultural situations on farm prices, cash receipts, and land values.

Order # AGES 89-21. \$5.50.

Costs of Production for Major U.S. Crops, 1975-87, by Robert McElroy, Mir Ali, Robert Dismukes, and Annette Clauson. 65 pp. May 1989.

Compiles cost-of-production data at both the national and regional level back to 1975 for 13 major field crops.

Order # AGES 89-22. \$8.00. *The data in this report are also available on diskette. See "Costs of Production, 1975-87," # 89025, on page 6 of this catalog.*

Quarterly Forecasting of Meat Retail Prices: A Vector Autoregression Approach, by Howard Elitzak and W. Noel Blisard. 14 pp. June 1989.

Vector autoregression models are used to forecast five meat and fish Consumer Price Indexes. The analysis suggests that the estimated equations are useful for forecasts one quarter into the future.

Order # AGES 89-27. \$5.50.

Dynamic Asset Replacement Decisions to Enhance Farm Profits, by John W. McClelland, Michael E. Wetstein, and Richard K. Noles. 24 pp. June 1989.

Develops a model which can improve farm profitability by helping farmers determine when to rejuvenate assets instead of replacing them. The model is applicable to recyclable assets like breeding stock, producing stock, and farm machinery when replacement costs are a significant portion of production costs.

Order # TB-1758. \$5.50.

Reducing Support Using Aggregate Measures, Case Study: Thailand, by Douglas H. Brooks. 16 pp. July 1989.

Thailand, the world's leading exporter of rice, has shifted from export taxation to government support of the crop. This study finds that government support can be reduced by charging for irrigation and reimposing export taxation.

Order # AGES 89-30. \$5.50.

Employment Stability Among Workers: A Case Study from Nine Nonmetro Kentucky Counties, 1979, by Donald K. Larson. 26 pp. July 1989.

Even during a period of rapid growth (1974-79) in south central Kentucky, employment was disrupted for some workers.

Order # AGES 89-31. \$5.50.

Elasticities in the Trade Liberalization Database, by Walter H. Gardiner, Vernon O. Roningen, and Karen Liu. 72 pp. May 1989.

From various sources, compiles the elasticities of supply and demand available in the Trade Liberalization database, used by the Static World Policy Simulation Model (SWOPSIM).

Order # AGES 89-20. \$8.00. *The data in this report are also available on diskette. See "Trade Liberalization," # 89017, on page 6 of this catalog.*

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New Releases

Agricultural Statistics of Eastern Europe and the Soviet Union. Annual data for the Soviet Union and seven East European countries, 1965-85, on land use, agricultural inputs, crop production, livestock production, and per capita consumption of selected foods. Nancy Cochrane, 202-786-1622. [Lotus 1-2-3 (Release 2), four disks], (6/89). Order #89020 \$55

Production and Efficiency Statistics. U.S. and State indexes of farm input use, production, and efficiency by enterprise group, 1947-87. Includes data on cropland uses for crops, farm machinery and tractor use, fertilizer use, labor use, and crop acreages harvested. James Hauer, 202-786-1459. [Lotus 1-2-3 (release 2), two disks], (6/89). Order #89026 \$35

World Agriculture and Trade Indicators. Annual data for 160 countries, 1961-88 on macroeconomics, food consumption, farm inputs, crop acreage, yield and production, livestock inventories, total and agricultural trade, and agricultural production indexes. Francis Urban or Michael Trueblood, 202-786-1705. [Lotus 1-2-3 (Release 2)], (6/89). Order #89024A One disk \$25
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Costs of Production, 1975-87. National and regional costs of production for 13 major field crops, including feed grains, wheat, rice, oilseeds, cotton, sugar-beets, and sugarcane. Robert McElroy, 202-786-1801. [Lotus 1-2-3 (release 2), three disks], (5/89). Order #89025 \$45

The following database is offered in cooperation with the American Agricultural Economics Association and the Rural Sociological Society.

USDA Outlays, 1963-89. Annual data on total Federal outlays, the Federal deficit, USDA outlays by program area and bureau, USDA direct loan obligations, USDA employment, and computations for an implicit budget deflator. Noah Engleberg, Office of Management and Budget, 202-395-3446. [Lotus 1-2-3 (Release 2), one disk], (5/89). Order #DSP001 \$25

Still Available

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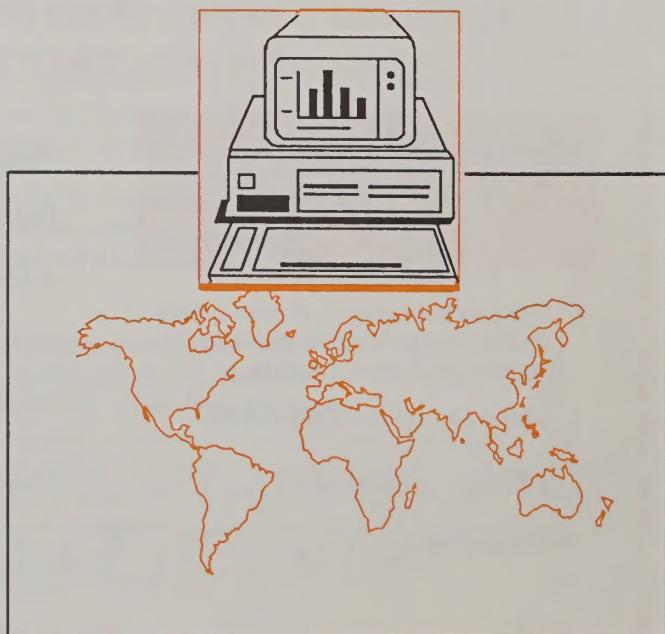
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